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### 1 [Getting more from your virtual machine](#)

Kyrre Begnum, John Sechrest, Steven Jenkins

December 2006 *Journal of Computing Sciences in Colleges*, Volume 22 Issue 2

Publisher: Consortium for Computing Sciences in Colleges

Full text available: Pdf (183.72 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 12, Downloads (12 Months): 151, Citation Count: 3

Computer Science instructors work hard to provide computer labs that are meaningful on the equipment available. New advances in computer virtualization offer a more effective utilization of existing equipment with flexible assignments. Modeling of existing ...

### 2 [Promoting e-governance through public-private partnership: a study of Nigeria's pension administration](#)

Sanjo O. Faniran, Kayode M. Olaniyan

December 2007 *ICEGOV '07: Proceedings of the 1st international conference on Theory and practice of electronic governance*

Publisher: ACM

Full text available: Pdf (70.65 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 1, Downloads (12 Months): 102, Citation Count: 0

This study examines the workings of the newly established ICT-based pension system for federal servants in Nigeria as a model in public service delivery and finds that the ICT-based system has eliminated resource wastages, fraud, corruption, rent-seeking ...

Keywords: Nigeria, e-governance, pension administration, public-private partnership

### 3 [Dynamic names and private address maps: complete self-configuration for MANETs](#)

Christophe Jelger, Christian Tschudin

December 2006 *CoNEXT '06: Proceedings of the 2006 ACM CoNEXT conference*

Publisher: ACM

Full text available: Pdf (312.76 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 2, Downloads (12 Months): 24, Citation Count: 0

In this paper we propose a self-configuring framework for mobile ad hoc networks (MANETs). Our architecture is based on the degenerated use of network address translation (NAT) where each ...

locally builds its "private address map", i.e. its own view ...

**Keywords:** MANET self-configuration, address autoconfiguration, name autoconfiguration

#### 4 An electronic infrastructure for a virtual university



Ramnath Chellappa, Anitesh Barua, Andrew B. Whinston

September 1997 Communications of the ACM. Volume 40 Issue 9

Publisher: ACM

Full text available: Pdf (701.51 KB)

**Additional Information:** [full citation](#), [references](#), [cited by](#), [index terms](#), [review](#)

**Bibliometrics:** Downloads (6 Weeks): 9, Downloads (12 Months): 61, Citation Count: 1

#### 5 Scalability, fidelity, and containment in the potemkin virtual honeyfarm



Michael Vrabie, Justin Ma, Jay Chen, David Moore, Erik Vandekieft, Alex C. Snoeren, Geoffrey M. V. Stefan Savage

October 2005 SOSP '05: Proceedings of the twentieth ACM symposium on Operating systems principles

Publisher: ACM

Full text available: Pdf (506.39 KB)

**Additional Information:** [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

**Bibliometrics:** Downloads (6 Weeks): 18, Downloads (12 Months): 243, Citation Count: 18

The rapid evolution of large-scale worms, viruses and bot-nets have made Internet malware a p concern. Such infections are at the root of modern scourges including DDoS extortion, on-line id theft, SPAM, phishing, and piracy. However, the ...

**Keywords:** copy-on-write, honeyfarm, honeypot, malware, virtual machine monitor

#### 6 Scalability, fidelity, and containment in the potemkin virtual honeyfarm



Michael Vrabie, Justin Ma, Jay Chen, David Moore, Erik Vandekieft, Alex C. Snoeren, Geoffrey M. V. Stefan Savage

October 2005 ACM SIGOPS Operating Systems Review. Volume 39 Issue 5

Publisher: ACM

Full text available: Pdf (506.39 KB)

**Additional Information:** [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

**Bibliometrics:** Downloads (6 Weeks): 18, Downloads (12 Months): 243, Citation Count: 18

The rapid evolution of large-scale worms, viruses and bot-nets have made Internet malware a p concern. Such infections are at the root of modern scourges including DDoS extortion, on-line id theft, SPAM, phishing, and piracy. However, the ...

**Keywords:** copy-on-write, honeyfarm, honeypot, malware, virtual machine monitor

#### 7 On the Design of Virtual Machine Sandboxes for Distributed Computing in Wide-area Over Virtual Workstations

David Isaac Wolinsky, Abhishek Agrawal, P. Oscar Boykin, Justin R. Davis, Arijit Ganguly, Vladimir Paramygin, Y. Peter Sheng, Renato J. Figueiredo

November 2006 VTDC '06: Proceedings of the 2nd International Workshop on Virtualization Technology Distributed Computing

Publisher: IEEE Computer Society

Full text available: Publisher Site, Pdf (388.81 KB) **Additional Information:** [full citation](#), [abstract](#)

**Bibliometrics:** Downloads (6 Weeks): 7, Downloads (12 Months): 111, Citation Count: 0

With recent advances in virtual computing and the revelation that compute-intensive tasks run on system virtual machines (VMs), the ability to develop, deploy, and manage distributed systems has been ameliorated. This paper explores the design space ...

#### 8 The virtual design team



John C. Kunz, Tore R. Christiansen, Geoff P. Cohen, Yan Jin, Raymond E. Levitt  
November 1998 Communications of the ACM, Volume 41 Issue 11  
Publisher: ACM

Full text available: Pdf (368.19 KB)

Additional Information: [full citation](#), [references](#), [cited by](#), [index terms](#), [review](#)

Bibliometrics: Downloads (6 Weeks): 24, Downloads (12 Months): 137, Citation Count: 10

#### 9 Virtual organization



Abbe Mowshowitz  
September 1997 Communications of the ACM, Volume 40 Issue 9  
Publisher: ACM

Full text available: Pdf (3.13 MB)

Additional Information: [full citation](#), [references](#), [cited by](#), [index terms](#), [review](#)

Bibliometrics: Downloads (6 Weeks): 49, Downloads (12 Months): 256, Citation Count: 25

#### 10 Calling for a virtual computing college



Roy Rada  
December 1996 ACM Computing Surveys (CSUR), Volume 28 Issue 4es  
Publisher: ACM

Full text available: Html (11.80 KB)

Additional Information: [full citation](#), [references](#)

Bibliometrics: Downloads (6 Weeks): 3, Downloads (12 Months): 54, Citation Count: 0

#### 11 Ontology for an e-participation virtual resource centre



Maria A. Wimmer  
December 2007 ICEGOV '07: Proceedings of the 1st international conference on Theory and practice of electronic governance  
Publisher: ACM

Full text available: Pdf (145.12 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 5, Downloads (12 Months): 185, Citation Count: 0

E-participation has become an important topic of research and development. DEMO-net, an EC-1 Network of Excellence within the 6<sup>th</sup> Framework Program of the EC, investigates this field of research and practice. To provide the knowledge ...

Keywords: e-participation, ontology, virtual resource centre

#### 12 Virtual Machine Hosting for Networked Clusters: Building the Foundations for "Autonomic" Orchestration

Laura Grit, David Irwin, Aydan Yumerefendi, Jeff Chase

November 2006 VTDC '06: Proceedings of the 2nd International Workshop on Virtualization Techno  
Distributed Computing

Publisher: IEEE Computer Society

Full text available:  [Publisher Site](#) ,  [Pdf \(196.68 KB\)](#) Additional Information: [full citation](#), [abstract](#)

Bibliometrics: Downloads (6 Weeks): 6, Downloads (12 Months): 121, Citation Count: 1

Virtualization technology offers powerful resource management mechanisms, including performance isolating resource schedulers, live migration, and suspend/resume. But how should networked virtual computing systems use these mechanisms? A grand challenge ...

### 13 [Applying grid security and virtual organization tools in distributed publication databases](#)

Marko Niinimäki, Vesa Sivunen

September 2003 ISI CT '03: Proceedings of the 1st international symposium on Information and communication technologies

Publisher: Trinity College Dublin

Full text available:  [Pdf \(33.87 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#)

Bibliometrics: Downloads (6 Weeks): 7, Downloads (12 Months): 53, Citation Count: 0

In a single document repository or a library system, the authentication and authorization issues handled relatively simply with traditional technologies. However the situation is different in distributed and heterogeneous publication databases. ...

### 14 [Virtual enterprises and the enterprise security architecture](#)

Tom Haigh

August 1995 NSPW '95: Proceedings of the 1995 workshop on New security paradigms

Publisher: IEEE Computer Society

Full text available:  [Publisher Site](#) Additional Information: [full citation](#), [abstract](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): n/a, Downloads (12 Months): n/a, Citation Count: 0

The emergence of internetworked systems has given corporations and Government agencies the opportunity to share information in unprecedented fashion. This sharing can be distributed across several enterprises. In effect, actual enterprises with shared ...

Keywords: administrative data processing, architectural issues, client-server systems, computational confidentiality, corporations, enterprise security architecture, government agencies, information protection, information sharing, integrity, internetworked systems, internetworking, policy issue private sector, security of data, virtual enterprise security paradigm

### 15 [Designing a 'universal' web application server](#)

Andrew Maunder, Reinhardt van Rooyen, Hussein Suleman

July 2005 SAI CSIT '05: Proceedings of the 2005 annual research conference of the South African institute of computer scientists and information technologists on IT research in developing countries

Publisher: South African Institute for Computer Scientists and Information Technologists

Full text available:  [Pdf \(726.40 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 2, Downloads (12 Months): 56, Citation Count: 1

Modern Web server systems typically consist of a single Web server instance capable of utilising various backend technologies. For security reasons this Web server instance is run as the unprivileged user, the user 'nobody'. This has the implication ...

Keywords: Web application servers, context switching, modularity, process persistence, scalab

16 [Virtual worlds: multi-disciplinary research opportunities](#)



David A. Bray, Benn R. Konsynski

October 2007 ACM SIGMIS Database, Volume 38 Issue 4

Publisher: ACM

Full text available: Pdf (177.99 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 27, Downloads (12 Months): 428, Citation Count: 0

Virtual worlds are now a reality, representing intriguing environments for researchers from mult fields to pursue collaborative investigations. To provide a background, we first highlight the basi business and sociological phenomena occurring in ...

Keywords: information systems, inter-world, intra-world, neurobiology, organizational governa political science, virtual businesses, virtual currencies, virtual governance, virtual property

17 [Setting up virtual security zones in a Linux cluster](#)

Makan Pourzandi, Axelle Apvrille

October 2004 Linux Journal, Volume 2004 Issue 126

Publisher: Specialized Systems Consultants, Inc.

Full text available: Html (21.91 KB)

Additional Information: [full citation](#), [abstract](#)

Bibliometrics: Downloads (6 Weeks): 0, Downloads (12 Months): 9, Citation Count: 0

When projects need to share the Linux cluster but shouldn't see each other's data, split your in-demand cluster into separate virtual ones.

18 [NetNews: VPNS become a virtual reality](#)



Dennis Fowler

May 1998 netWorker, Volume 2 Issue 2

Publisher: ACM

Full text available: Pdf (138.71 KB)

Additional Information: [full citation](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 2, Downloads (12 Months): 66, Citation Count: 0

19 [Virtual servers and checkpoint/restart in mainstream Linux](#)



Sukadev Bhattiprolu, Eric W. Biederman, Serge Hallyn, Daniel Lezcano

July 2008 ACM SIGOPS Operating Systems Review, Volume 42 Issue 5

Publisher: ACM

Full text available: Pdf (864.56 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 1438, Downloads (12 Months): 1438, Citation Count: 0

Virtual private servers and application checkpoint and restart are two advanced operating system features which place different but related requirements on the way kernel-provided resources are accessed by userspace. In Linux, kernel resources, such ...

Keywords: checkpoint, mobility, reliability, restart, security, survivability, virtualization

20 [ICT to enhance administrative performance: a case study from Egypt](#)

Hisham M. E. Abdelsalam, Hatem ElKadi

December 2007 ICGOV '07: Proceedings of the 1st international conference on Theory and practice of electronic governance

Publisher: ACM

Full text available: Pdf (179.39 KB)

[Additional Information: full citation, abstract, references, index terms](#)

Bibliometrics: Downloads (6 Weeks): 4, Downloads (12 Months): 109, Citation Count: 0

Egypt has achieved considerable steps in the use of ICT in administration since the mid 80s. The Egyptian e-Government program - formulated and launched in 2000 - operates on two major axes: providing services through new and easy channels, and (2) ...

Keywords: GIS, MIS, decision support, investment planning, re-engineering

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